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Department of Natural Resources

Ref Date=901128

Mailed 12-17-90

FISH AND WILDLIFE SPECIMEN SUBMISSION/DIAGNOSTIC FORM
Form 2300-143

Entered: 12-17-90 185

Case Number 90-75

Rush ☐
Routine ☐

File: John Olson

Date Report Needed

Submitter's Ref. Number

Date Submitted 11/28/90		Date Collected 11/26 & 11/28/90			
Submitter DAVE MATHEYS		Collector DAVE MATHEYS			
Street or Route DNR, COURTHOUSE		Street or Route			
City, State, Zip Code VIROQUA, WI 54665		City, State, Zip Code			
Telephone Number 608-637-3938		Telephone Number			
Legal Case Yes <input type="checkbox"/> No <input type="checkbox"/>	Found Dead Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Euthanization Method			
Species WILD TURKEY	No. Sick	No. Dead 7	No. at Risk	No. Collected 6	No. Submitted 6
District WD	County CRAWFORD	Section 26 33	Town TION	Range R4W	

Weather Conditions Prior To and During Disease Problem:

MILD, DAYTIME T° - 40-55°F, ~~WET~~ DRY

Description of Problem Area (size, land use, other wild or domestic animals nearby, history of pesticide/herbicide use, dominant vegetation, water sources, soil type, previous disease problems, etc.)

CARCASSES FOUND 11/17/90. NOTIFIED DNR 11/26/90. All found w/in 200 yds of each other. Apple orchard in vicinity. CARCASSES Found in oak woods. Orchard is located uphill approx 300 yds.
Other Comments APPARENT Zinc Phosphide poisoning.
All carcasses found laying in a similar manner - neck & head turned back, legs retracted on S-SW facing slope. No other dead animals found in area.

FOR LABORATORY USE ONLY

Date Necropsied

Preliminary Diagnosis:

Pending Laboratory Analysis:

Recommendation and Comments:

BEST COPY AVAILABLE

WISCONSIN ANIMAL HEALTH LABORATORIES

Central Laboratory
6101 Mineral Point Road
Madison, WI 53705
Phone: (608) 266-2465

DIAGNOSTIC CASE PRELIMINARY REPORT

Date Received: 11-28-90

Accession Number: 155262

Owner:
DNR

Veterinarian:

Dr. Sarah S. Hurley
Box 7921
Madison, WI 53706

Specimen: 6 Dead

Species: Turkey/Avian

Necropsy:

One of the animals was completely scavenged by a skunk. All the viscera and one leg had been eaten. The crop of one other bird had been scavenged so it yielded gizzard content only. Three of the five birds had hemorrhagic, edematous lungs and swollen spleens. No foci were visible in the liver. One bird had a definite odor of acetylene from the crop contents.

Bacteriology:

No growth was obtained on culture of liver and kidney. A few E. coli were cultured from the spleen and lung. Bacillus sp. were also cultured from the lung. The cultures were negative for Pasteurella multocida.

Chemistry:

Zinc phosphide was detected in two of the four sets of crop content. We were unable to detect zinc phosphide in any of the four gizzard contents although we were able to smell acetylene in one of those. Our test is for phosphene gas which is highly volatile. This may explain the negative results from at least one set of samples we thought should have been positive.

Enclosed is two pages of the description of zinc phosphide and its action. The changes in the lungs which could also be due to fowl cholera are probably due to the capillary and venous damage described in zinc phosphide poisoning.

Histopathology: Pending.

Signed: _____

R. A. Decker, DVM, MS
Diagnostician

RAD:ncb

Report Dated December 6, 1990